

## EAST Search History

| Ref # | Hits  | Search Query  | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|-------|---|---|------------------|---------|------------------|
| L20   | 9615  | 361/801,788,785,801,777,752,797.<br>ccls. 257/712,723,710.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/04/02 14:14 |
| L21   | 301   | 20 and @pd>"20051013"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/04/02 14:14 |
| L22   | 597   | (mothe\$board and (slot or<br>connector) and card and heat)       | US-PGPUB  | OR               | ON      | 2006/04/02 14:15 |
| L23   | 14    | (mothe\$board and (slot or<br>connector) and card and heat).clm.  | US-PGPUB  | OR               | ON      | 2006/04/02 14:17 |
| L24   | 14    | (mother\$board and (slot or<br>connector) and card and heat).clm. | US-PGPUB  | OR               | ON      | 2006/04/02 14:17 |
| S1    | 30154 | ((mother near board) or<br>mother\$board)                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/10/13 09:22 |
| S2    | 29    | pci and apg and power   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/10/13 10:13 |
| S3    | 918   | 361/801.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/10/13 09:56 |
| S4    | 236   | S3 and S1   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/10/13 10:07 |
| S5    | 52    | S4 and pci  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/10/13 10:07 |

## EAST Search History

|     |      |                                 |   |    |    |                  |
|-----|------|---------------------------------|---|----|----|------------------|
| S6  | 4870 | S1 and pci                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/13 10:13 |
| S7  | 2224 | S6 and graphic                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/13 11:10 |
| S8  | 53   | S7 and (power near module)      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/13 10:18 |
| S9  | 8    | S7 and (slot near3 arrangement) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/13 10:19 |
| S10 | 0    | S7 and (slot near3 arrangement) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/13 10:19 |
| S11 | 375  | S6 and (graphic near card)      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/13 11:16 |
| S12 | 866  | 361/777.ccls.                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/13 11:16 |
| S13 | 94   | S12 and S1                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/13 11:27 |

## EAST Search History

|     |       |  |   |    |    |                  |
|-----|-------|--|---|----|----|------------------|
| S14 | 5091  | 361/752,797,790,683.ccls.              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/13 11:27 |
| S15 | 971   | S14 and (S1 or "main board")           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/13 11:28 |
| S16 | 161   | S15 and pci                            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/13 12:06 |
| S17 | 4345  | apg                                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/13 12:07 |
| S18 | 57    | apg and pci                            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/13 12:08 |
| S19 | 9646  | "advanced graphics port" or apg        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/13 12:09 |
| S20 | 13916 | "advanced graphics port" or apg or apg | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/13 12:09 |
| S21 | 5018  | S20 and pci                            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/13 12:09 |

## EAST Search History

|     |     |   |   |    |    |                  |
|-----|-----|---|---|----|----|------------------|
| S22 | 877 | S21 and (S1 or "main board")  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/14 09:27 |
| S23 | 718 | S22 and card  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/13 12:10 |
| S24 | 17  | ("6038680"   "6047343"  <br>"6108732"   "6141711"  <br>"6182173").PN. OR ("6487623").<br>URPN.  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2005/10/13 12:23 |
| S25 | 11  | ("5136468"   "5153379"  <br>"5224019"   "5671120"   "5928076"<br>  "6018125"   "6058022").PN. OR<br>("6324075").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2005/10/14 08:35 |
| S26 | 17  | ("6038680"   "6047343"  <br>"6108732"   "6141711"  <br>"6182173").PN. OR ("6487623").<br>URPN.  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2005/10/14 08:42 |
| S27 | 4   | ("5036479"   "5313156"  <br>"5865319"   "6442712").PN. OR<br>("6914424").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2005/10/14 08:48 |
| S28 | 1   | ("6301104").PN. OR ("6827589").<br>URPN.  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2005/10/14 08:54 |
| S29 | 8   | ("6147863").PN. OR ("6301104").<br>URPN.  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2005/10/14 08:56 |
| S30 | 7   | ("20010001878"   "5991833"  <br>"6145029"   "6289405"  <br>"6301104").PN. OR ("6384346").<br>URPN.  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2005/10/14 08:58 |
| S31 | 26  | ("4237546"   "4511950"  <br>"4947288"   "5051982"   "5305183"<br>  "5311397"   "5396400"  <br>"5437014"   "5455927"   "5546563"<br>  "5551012"   "5568360"  <br>"5572688"   "5673174"   "5781747"<br>  "5796729"   "5822197"  <br>"5852725").PN. OR ("6147863").<br>URPN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2005/10/14 09:11 |

## EAST Search History

|     |       |  |   |    |    |                  |
|-----|-------|--|---|----|----|------------------|
| S32 | 27    | ("20010021106"   "20020009929"   "20020034068"   "20020046374"   "20020085343"   "20020133769"   "20030016040"   "20030061447"   "20030080762"   "5214570"   "5825630"   "5903744"   "5963464"   "5996880"   "5999437"   "6091145"   "6232659"   "6246588"   "6357023"   "6410983"   "6415397"   "6418034"   "6496380").PN. OR ("6721195").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2005/10/14 09:27 |
| S33 | 30154 | ((mother near board) or mother\$board)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/14 09:27 |
| S34 | 13916 | "advanced graphics port" or agp or apg   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/14 09:27 |
| S35 | 5018  | S34 and pci  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/14 09:27 |
| S36 | 877   | S35 and (S33 or "main board")  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/14 09:27 |
| S37 | 830   | S36 and (cpu or processor)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/14 10:24 |
| S38 | 36401 | S33 or "main board"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/14 10:24 |

## EAST Search History

|     |       |   |   |    |    |                  |
|-----|-------|---|---|----|----|------------------|
| S39 | 149   | S38 and (S34 near2 slot)                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/14 10:26 |
| S40 | 124   | S39 and pci                                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/14 10:26 |
| S41 | 88    | S40 and cpu                                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/14 10:26 |
| S42 | 114   | S40 and (cpu or processor)                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/14 10:59 |
| S43 | 3704  | motherboard and heat and components           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/14 11:00 |
| S44 | 48419 | "128" and cpu                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/14 11:00 |
| S45 | 1275  | S43 and cpu                                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/14 11:08 |
| S46 | 85    | S33 and (agp near2 slot) and (pci near2 slot) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/14 11:05 |

## EAST Search History

|     |       |   |   |    |    |                  |
|-----|-------|---|---|----|----|------------------|
| S47 | 730   | S45 and card  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/14 11:08 |
| S48 | 40248 | (mother\$board or (mother near board) or (main near board)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/19 17:31 |
| S49 | 2393  | S48 and (computer near2 card)                               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/19 16:45 |
| S50 | 356   | S49 and heat  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/19 17:26 |
| S51 | 7     | S48 with heat with component with slot                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/19 17:27 |
| S52 | 52    | S48 with heat with slot                                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/19 17:28 |
| S53 | 18    | S48 with (slot near3 arrangement)                           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/19 17:28 |
| S54 | 889   | S48 with(computer near3 card)                               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/19 17:32 |

## EAST Search History

|     |       |  |   |    |    |                  |
|-----|-------|--|---|----|----|------------------|
| S55 | 7     | S48 with (computer near3 card) with heat   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/19 17:32 |
| S56 | 284   | (computer near3 card) with (heat or hot)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/19 17:37 |
| S57 | 173   | S48 with agp with pci  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/20 08:58 |
| S58 | 40310 | (mother\$board or (mother near board) or (main near board))                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/20 08:58 |
| S59 | 1539  | S58 with card with slot  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/20 08:59 |
| S60 | 10    | S59 with heat  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/20 08:59 |
| S61 | 18    | ("4502098"   "4785379"   "4853828"   "4953058"   "5521792"   "5815371").PN. OR ("6278609").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2005/10/20 09:03 |
| S62 | 56    | 174/166s.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2005/10/20 09:03 |
| S63 | 6     | S62 and heat   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2005/10/20 09:05 |
| S64 | 391   | 174/161R.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2005/10/20 09:05 |



## EAST Search History

|     |         |  |   |    |    |                  |
|-----|---------|--|---|----|----|------------------|
| S65 | 6       | S64 and heat   | US-PGPUB;<br>USPAT; .<br>USOCR                                    | OR | ON | 2005/10/20 09:06 |
| S66 | 636     | 174/163r,163f.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2005/10/20 09:06 |
| S67 | 22      | S66 and heat   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2005/10/20 09:07 |
| S68 | 7598    | 710/301,306.ccls. 361/788,785.ccls.<br>257/712,713,723.ccls.         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/20 17:09 |
| S69 | 427360  | (mother near board) mother\$board<br>main\$board pcb "circuit board" | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/20 17:11 |
| S70 | 6246339 | heat temperature thermal   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/20 17:12 |
| S71 | 2178    | S68 and S69 and S70  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/20 17:13 |
| S72 | 71932   | S69 same S70   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/20 17:13 |
| S73 | 6571629 | component card slot module chip                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/20 17:15 |

## EAST Search History

|     |         |  |   |    |    |                  |
|-----|---------|--|---|----|----|------------------|
| S74 | 33027   | S72 same S73                                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/20 17:15 |
| S75 | 1012    | S74 and S68  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/20 17:21 |
| S76 | 7758    | S74 same (seperate space move distance arrange\$4) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/20 17:23 |
| S77 | 340     | S76 and S68  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/20 17:40 |
| S78 | 9183455 | seperate space move arrange\$4 distance            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/20 17:42 |
| S79 | 1049774 | S78 with S73                                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/20 17:43 |
| S80 | 78362   | S79 and S69  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/20 17:43 |
| S81 | 1719    | S80 and S68  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/20 17:43 |

## EAST Search History

|     |        |              |   |    |    |                  |
|-----|--------|--------------|---|----|----|------------------|
| S82 | 31295  | S79 same S69 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/20 17:44 |
| S83 | 0      | S82 same S68 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/20 17:44 |
| S84 | 823    | S82 and S68  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/20 17:45 |
| S85 | 4644   | S82 same S70 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/20 17:46 |
| S86 | 236    | S85 and S68  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/20 17:47 |
| S87 | 610294 | S70 with S73 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/20 17:48 |
| S88 | 43895  | S87 with S78 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/20 17:50 |
| S89 | 6572   | S88 and S69  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/20 17:50 |

## EAST Search History

|     |      |              |   |    |    |                  |
|-----|------|--------------|---|----|----|------------------|
| S90 | 2500 | S88 same S69 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/20 17:50 |
| S91 | 122  | S90 and S68  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/20 17:50 |